



## CITY OF LODI

## COUNCIL COMMUNICATION

AGENDA TITLE: Approve specifications and authorize advertisement for bids for seventy-five post-top luminaires (EUD)

MEETING DATE: February 6, 2002

PREPARED BY: Electric Utility Director

RECOMMENDED ACTION: That the City Council approve the specifications and authorize advertisement for bids for seventy-five post-top (globe) luminaires.

BACKGROUND INFORMATION: These luminaires, Holophane's *Prismasphere*® globe style, consist of an 18-inch prismatic globe, a high-pressure sodium ballast, and a mounting base. They are used with the concrete street light standards, and are similar in appearance to those recently installed on Stockton Street.

The luminaires in this bid will be scheduled for delivery in conjunction with receipt of the 75 concrete standards approved for purchase by Council on December 19, 2001. Fifty of the luminaires will be used for Phase III of the Streetlight Completion Project, twelve will be installed along Elm Street near the Public Safety Building, and thirteen will be placed into inventory for use in upgrades of the older style post-top globes. The older globes are replaced when they incur damage or when the lamp ballast fails.

FUNDING: Electric Utility Dept Capital Budget – Street Light Improvement  
FY 2001-2003 Financial Plan and Budget, Page E-34  
Estimated Cost \$42,000

BID OPENING: February 20, 2002

  
Alan N. Vallow, Electric Utility Director

Prepared by Joel Harris, Purchasing Officer

cc: Manager, EUD Engineering and Operations

APPROVED: 

H. Dixon Flynn -- City Manager

SPECIFICATIONS

PRISMATIC LUMINAIRES

City of Lodi, CA

February, 2002

**Holophane**

*Prismasphere*® series Luminaire

Product No. PR070HPMTCGNP1A

with:

70W HPS Ballast Type (Mogul Base);

Multi-tap voltage;

Convex Octagonal Style Casting;

Finish: Gray;

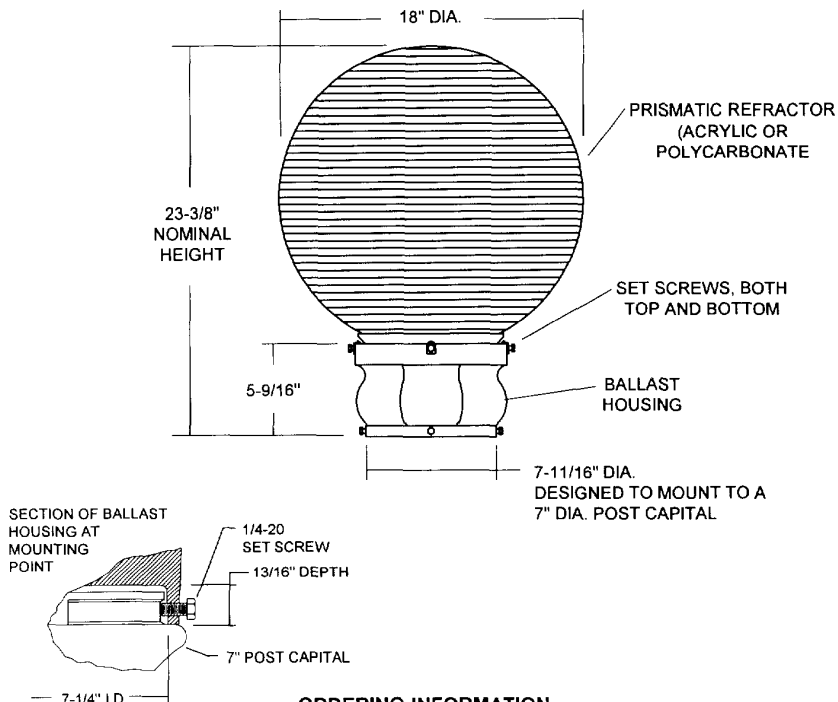
No inner refractor;

18" Prismatic Acrylic Sphere

# Prismasphere® Series Luminaire

## Prismatic Outer Sphere With Convex Octagonal Style Housing

Maximum weight - 35 lbs  
Maximum effective projected area - 2.16 sq. ft.



### ORDERING INFORMATION

	PR	050HP	12	C	B	N	P1	A
BALLAST TYPE (MOGUL BASE)	VOLTAGE	CONVEX OCTAGONAL STYLE CASTING FOR USE WITH A 7" POST CAPITAL	FINISH	INNER REFRACTOR				
050HP = 50W HPS	12 = 120 VOLT		B = BLACK	N = NO REFRACTOR USED				
070HP = 70W HPS	20 = 208 VOLT		Z = BRONZE					
100HP = 100W HPS	24 = 240 VOLT		N = DARK GREEN					
15AHP = 150W 55V HPS	27 = 277 VOLT		A = AS SPECIFIED					
175MH = 175W MH	34 = 340 VOLT		G = GRAY					
100MV = 100W MV	48 = 480 VOLT							
175MV = 175W MV	MT = 120/208/240/277 VOLT MULTITAP (NOT AVAIL. WITH 35W HPS)							
BALLAST TYPE (MEDIUM BASE)		SPHERE TYPE AND SIZE	SPHERE MATERIAL					
35DHP = 35W HPS (120V ONLY)		P1 ■ 18" PRISMATIC SPHERE	A = ACRYLIC					
50DHP = 50W HPS			P ■ POLYCARBONATE					
70DHP = 70W HPS								
10DHP = 100W HPS								
15DHP = 150W 55V HPS								
70DMH = 70W MH (MT ONLY)								
10DMH = 100W MH (MT ONLY)								
17DMH = 175W MH								
20DIN = 200W INCANDESCENT								

### OPTIONS

PS - PROTECTIVE STARTER, FOR HPS UNITS ONLY

### ACCESSORIES

F1 - SINGLE FUSING FOR 120, 240, 277 VOLT, FIELD INSTALLED (NOT UL LISTED)  
F2 - DOUBLE FUSING FOR 208, 240 VOLT, FIELD INSTALLED (NOT UL LISTED)  
BP18RBX - BUFFALO PLACE RIBS AND BAND (FOR X INSERT B, Z, N, OR A COLOR)

## Specifications

### GENERAL DESCRIPTION

The luminaire consists of two main components, a ballast housing with reflector and socket, and a prismatic outer sphere.

### OPTICS

The optical component consists of an 18 inch injection molded acrylic or polycarbonate prismatic sphere mechanically attached and sealed to a mounting ring cast of #356 copper free aluminum. Light from a vertical lamp is distributed by precisely molded refracting prisms to control brightness and to maximize utilization, uniformity and luminaire spacing. A soft upward glow is allowed to gently illuminate foliage and building facades creating a fully luminous environment.

### BALLAST HOUSING

The ballast housing contains the ballast and other electrical components. The housing is cast of 356 copper free aluminum alloy with an eight sided convex contour which will flow gracefully from a 7" diameter capital while reflecting the shape of an octagonal decorative post. The ballast housing is secured by four hex head stainless steel 1/4-20 x 5/8" set screws. Four uniquely designed stainless steel spring clips enclosed in a clear polyvinyl chloride sleeve and adjusted by hex head stainless steel 1/4-20 bolts securely cradle the optical assembly. The housing is finished with polyester powder paint applied after a seven stage pretreatment process to insure maximum durability.

### BALLAST

(Refer to Ballast Data Sheet for specific operating characteristics)

35 - 100 watt 120 volt High Pressure Sodium (HPS) ballasts are High Power Factor Reactor type. All other HPS ballasts are High Power Factor Autotransformer type.

175 watt Metal Halide (MH) ballasts are Peak Lead Autotransformer type. 70 and 100 watt MH units are available only with (120V, 208V, 240V, 277V) multitap High Power Factor High Reactance type ballast.

All Mercury Vapor (MV) ballasts are High Power Factor Constant Wattage Autotransformer (CWA) type.

### REFLECTOR / SOCKET ASSEMBLY

The reflector/socket assembly is designed to position the specified light source at the light center of the refractor.

### UL LISTING

The luminaire is UL listed as suitable for wet locations at a maximum 25 degree C ambient temperature.

### INSTALLATION

Refer to the instruction manual provided with each luminaire as to the specific method of wiring and mounting the luminaire.

SALES ORDER NO:

TYPE:

DRAWING NO: US-1141

THIS DRAWING WHEN APPROVED SHALL BECOME THE COMPLETE SPECIFICATION FOR THE MATERIAL TO BE FURNISHED BY HOLOPHANE ON THE ORDER NOTED ABOVE. A UNIT OF SIMILAR DESIGN MAY BE SUPPLIED, BUT ONLY AFTER APPROVAL BY THE CUSTOMER IN WRITING. ON POLE ORDERS AN ANCHOR BOLT TEMPLATE PRINT WILL BE SUPPLIED WITH EACH ANCHOR BOLT ORDER TO MATCH POLE PROVIDED.

THIS PRINT IS THE PROPERTY OF HOLOPHANE AND IS LOANED SUBJECT TO RETURN UPON DEMAND AND UPON EXPRESS CONDITION THAT IT WILL NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO OUR INTERESTS, AND ONLY IN CONNECTION WITH MATERIAL FURNISHED BY HOLOPHANE.



HoloPhane  
A Division of National Service Industries, Inc.  
214 OAKWOOD AVENUE - NEWARK, OHIO 43055

SCALE: NONE  
DRAWN: RAF  
APP'D:  
DATE: 01-31-00